



## Math 40SP Pre-Calculus Course Outline and Evaluation

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Room 204

### Course Outline

- Circular Functions
- Trigonometric Identities
- Transformations & Radical Functions
- Exponents and Logarithms
- Permutations, Combinations, Binomial Theorem
- Compositions & Rational Functions
- Polynomials

### Evaluation

**Term Work** (70% of final grade)

**Final Evaluation** (30% of final grade)

Total points based on the following categories:    Provincial Exam: Tuesday, June 9, 2020

Mental Math

Knowledge & Understanding

Problem Solving

Mental Math & Estimation - *The student uses math knowledge and number facts to calculate mentally or estimate.* This category is for recording marks related to mental math. Each test will include mental math one-mark questions. Mental math questions will also be given periodically at the beginning of class.

Knowledge & Understanding - *The student demonstrates knowledge and understanding of grade-specific mathematical concepts and skills in each strand (number, patterns and relations, shape and space, statistics and probability) within each reporting period.* This category is for recording marks related to core mathematical knowledge and understanding. Each test will include knowledge & understanding questions. Quizzes will be given once or twice per unit studying core concepts.

Problem Solving - *The student applies knowledge, skill, or understanding to solve problems.* This category is for recording marks related to problem solving. Each test will include problem solving questions. Problem solving journals will be used. Assignments will be given for each unit.

**Note:** Math 40SP is a fast-paced, demanding course. It is designed for students who intend on taking Calculus at a Post-Secondary institution. To be successful in this course, students must stay up to date with homework assignments.

### Text, Reference and Resource Material

Worktext: *Pre-calculus 12* Davis, Ellis, Hope, et al. Pearson

### Materials

- Scientific calculator
- Pens, pencils, and a binder with loose-leaf

### **Teacher Expectations**

If you are absent (excused or unexcused), you are still responsible for learning the material that was covered when you were away. **It is your responsibility to find out and make up any missed work.** Be sure to check the course website or to consult with a classmate for notes and assignments and collect any missed worksheets.

All assignments are due at the end of class on the due date. Any assignments that appears to be copied (from a classmate or the internet) will result in a mark of zero. If an assignment or work is not completed on time you will be expected to stay in at lunch or after school to finish.

Keep in mind that your attitude, participation, and attendance play an important role in the classroom. Your mark will reflect these. Participation is key to the success and enjoyment of the class. To be successful, take part in class, do the assignments, take notes, pay attention in class, keep a positive attitude in class and outside class, and **STUDY** throughout the semester.

### **Take responsibility for your own learning!**

My door is always open. If you are finding that you don't understand, please come and see me! I am available before school, at lunch, and after school. Do not give up and fall behind. Do your best and learn from your mistakes. The best way to improve your math skills is to **PRACTICE**.